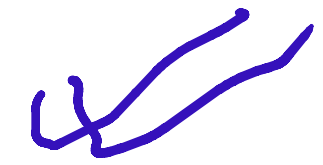# Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 13.11.2021
(BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Permissible Limits (24 Hour Mean) : PM$_{10}$ = 150; PM$_{2.5}$ = 35, all units are in µg/m³

Site Location	Sampling Time (24 hrs)	DAYALBAGH (TIME WEIGHTED AVERAGE DATA) AQI PM$_{2.5}$ Today Nov 13 – Nov 12	Yesterday Nov 12 – Nov 11	PM$_{10}$ Today Nov 13 – Nov 12	Yesterday Nov 12 – Nov 11	RH %	WS m/s	WD	T °C	SR W/m²	RF mm	SANJAY PLACE (ARITHMETIC MEAN DATA) AQI PM$_{2.5}$ Today Nov 13 – Nov 12	Yesterday Nov 12 – Nov 11	PM$_{10}$ Today Nov 13 – Nov 12	Yesterday Nov 12 – Nov 11	RH %	WS m/s	WD	T °C	SR W/m²	RF mm
4 / 97	09:00 am – 09:00am	424 H	349 H	496 H	245 VUH	69	1.2	SSW	21	47	0										
3 / 34	09:00 am – 09:00am	413 H	338 H	432 H	183 UH	73	2.6	NE	20	46	0	363 H	390 H	267 VUH	370 H	59	0.9	NE	19	105	0
Science Faculty	09:00 am – 09:00 am	416 H	345 H	454 H	178 UH	70	1.2	SSW	20	52	0										

Received - Saturday, 13 November 2021, 3:04 PM

Saturday, 13 November 2021

| Good G | Moderate M | or Sensitive Groups   US | Unhealthy for All UH | Very Unhealthy for All VUH | Hazardous for All H | Hazardous for All H | |

NOTE: 1 A continuous study conducted as part of Dayalbagh Sigma Six Qualities and Values Model implementation.

2 DEI is using United States Environmental Protection Agency (USEPA) methodology and online calculators to calculate AQI. For fair comparison with UPPCB Sanjay Place Weather Station readings, their PM$_{2.5}$ concentration readings are fed in USEPA online calculator for AQI calculation.

3 Formula for AQI calculation for a Pollutant -

$$I = \frac{I_{high} - I_{low}}{C_{high} - C_{low}} * (C - C_{low}) + I_{low}$$

where, I = Air Quality Index, C=Pollutant Concentration (PM2.5), Clow=Concentration Breakpoint ≤C, Chigh=Concentration Breakpoint ≥C, Ilow=Index Break point corresponding to Clow, Ihigh=Index Breakpoint corresponding to Chigh